

Amendments to the Drawings

The attached sheets of drawings include FIGS. 1, 2, 3A-C, 4 and 5. These sheets, which include FIGS. 1, 2, 3A-C, 4 and 5, replace the original sheets including FIGS. 1, 2, 3A-C, 4 and 5.

Attachment: Replacement Sheets

REMARKS

Status of the Claims

Claims 14-15 and 30-31 have been cancelled. Claims 1, 9, 17, 25, 33, 35, 42, 48, 53 and 59 have been amended. Claims 1-13, 16-29 and 32-63 are currently pending in the case.

Supplemental Information Disclosure Statements

A Supplemental Information Disclosure Statement (IDS) has been concurrently filed. Consideration of the reference cited in the Supplemental IDS is respectfully requested.

Rejection of the Pending Claims

The Office Action has rejected the pending claims under §102 and §103 using various combinations that rely primarily upon U.S. Patent Application Publication No. 2002/0013133 A1 ("Lam"). Applicant traverses these rejections.

The independent claims have been amended to include limitations directed to synchronization circuitry and synchronizing method steps. These limitations were originally included in claims 14-15 and claims 30-31.

The Final Office Action relied upon Lam as providing this additional synchronization feature of claims 14-15 and 30-31. In contrast with the assertions in the Final Office Action, however, Lam does not disclose synchronization circuitry for data from analog-to-digital converters and/or data going to digital-to-analog converters for an array of antenna elements. Rather, in the paragraphs of Lam identified in the Office Action (0056, 0066, 0083), Lam is discussing "a simple analog combiner" that combines time delayed signals. As such, Lam does not teach or suggest the synchronization circuitry required by the currently claimed invention.

Applicant respectfully asserts, therefore, that the pending claims are not anticipated or made obvious by the cited references either alone or in combination.

Conclusion

In view of the foregoing, it is respectfully submitted that pending claims are in condition for allowance. Accordingly, favorable reconsideration and Notice of Allowance are respectfully requested

The Examiner is invited to contact the undersigned at the phone number indicated below with any questions or comments or to otherwise facilitate expeditious and compact prosecution of the application.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Brian W. Peterman", with a long horizontal flourish extending to the right.

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